

Comparisons of Job Characteristics

Focus Occupation: Radio, Cellular, and Tower Equipment Installers and Repairers (49-2021)
Associated Occupation: Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022)

Compare Knowledge
 Compare Skills
 Compare Abilities
 Compare Detailed Work Activities
 Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Radio, Cellular, and Tower Equipment Installers and Repairers (49-2021)

Associated Occupation: Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Telecommunications	3.9	19.3	15.2	<< Extensive education and/or training may be required
Computers and Electronics	8.4	15.4	16.8	0 Current knowledge level may be sufficient
Mechanical	6.8	12.4	10.2	< Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Radio, Cellular, and Tower Equipment Installers and Repairers (49-2021)

Associated Occupation: Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Troubleshooting	4.5	11.8	10.7	< A higher skill level may be required
Quality Control Analysis	5.9	11.5	11.2	0 Current skill level may be sufficient
Operation Monitoring	6.6	11.4	9.2	< A higher skill level may be required
Repairing	3.4	10.6	11.5	0 Current skill level may be sufficient
Equipment Maintenance	3.5	10.3	10.0	0 Current skill level may be sufficient
Operation and Control	5.4	10.0	8.6	< A higher skill level may be required
Equipment Selection	3.3	9.2	8.0	< A higher skill level may be required
Installation	1.7	7.7	6.2	< A higher skill level may be required
Programming	2.2	5.2	2.1	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 86			
Focus Occupation: Radio, Cellular, and Tower Equipment Installers and Repairers (49-2021) Associated Occupation: Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Visual Color Discrimination	6.4	12.9	8.3	<<	Extensive improvement in abilities may be required
Finger Dexterity	7.6	12.0	12.5	0	Current ability level may be sufficient
Manual Dexterity	6.5	11.4	10.8	0	Current ability level may be sufficient
Visualization	7.5	11.0	10.8	0	Current ability level may be sufficient
Gross Body Equilibrium	3.2	8.6	2.9	<<	Extensive improvement in abilities may be required
Gross Body Coordination	3.9	8.3	2.4	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	6.1	2.4	<<	Extensive improvement in abilities may be required
Night Vision	2.1	5.9	2.4	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 96
Focus Occupation: Radio, Cellular, and Tower Equipment Installers and Repairers (49-2021) Associated Occupation: Telecommunications Equipment Installers and Repairers, Except Line Installers (49-2022)		
Work Activities	Exclusivity of Activity	
Analyze operation of malfunctioning electrical or electronic equipment	68	
Calibrate or adjust electronic equipment or instruments to specification	67	
Conduct sequential tests to locate electronic malfunction	77	
Distinguish colors	44	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Install electronic equipment, components, or systems	62	
Install electronic power, communication, control, or security equipment or systems	76	
Install/connect electrical equipment to power circuit	57	
Modify electrical or electronic equipment or products	74	
Perform safety inspections in industrial, manufacturing or repair setting	32	
Read blueprints	10	
Read schematics	34	
Read technical drawings	7	

Read work order, instructions, formulas, or processing charts	9
Repair electronic components, equipment, or systems	74
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Replace electronic components	63
Solder electrical or electronic connections or components	55
Test electrical/electronic wiring, equipment, systems or fixtures	54
Test electronic or electrical circuit connections	66
Understand detailed electronic design specifications	70
Understand service or repair manuals	40
Understand technical information for electronic repair work	76
Understand technical operating, service or repair manuals	6
Use electrical or electronic test devices or equipment	40
Use hand or power tools	2
Use precision tools in electronics repair	71
Use soldering equipment	44
Use voltmeter, ammeter, or ohmmeter	52

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

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Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.